Simply television

Digital Satellite Receiver

MX 04

Receiver Automatic RAPS accredited Programming System

Don't miss satellite programs anymore!

- Automatic updating of the channels when starting the receiver
- Weekly Update of the channel-list for Astra 19,2°, Hotbird 13° und Turksat 42°
- Individually favorite-lists

Details see page 46

User Manual ENGLISH

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www.smart-electronic.de

Einfach fernsehen

smart®

Preface

Dear Customer,

thank you for buying the Smart MX 04 Free-To-Air Digital Satellite Receiver.

Please read this user manual carefully before using this device.

This operating manual will help you in the

- appropriate,
- safe and
- favorable

usage of the digital satellite receiver, in short, the receiver. We assume that the user of the receiver has overall knowledge regarding the handling of audio and video equipment.

Each person who

- installs,
- connects,
- operates,
- cleans or
- disposes of

this receiver must be familiar with the entire content of this operating manual. Always keep this operating manual in the proximity of the receiver.

Please keep this instruction manual for consulting near by the receiver.

WELA electronic Handels GmbH

Use Raps!

After switching on the receiver for the first time or after default reset you will be asked if you would like to use RAPS. Select ***yes*** by pressing OK on the remote control.

For more information see chapter RAPS on page 46.

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Safety Instructions

Attention!

Please read the safety instructions carefully before operating the receiver.

Please follow all warnings and instructions on the equipment and in the operating manual.

Electrical Connection

- Do not expose the receiver to rain as well as any kind of humidity to avoid risk of fire and electric shock.
- Connect the receiver only to a professionally installed mains socket of 175–240 V, 50–60 Hz.
- Never open the casing. Otherwise there is a risk of electric shock.
- Ensure that the power source (socket) is easily accessible.
- Pull out the mains plug from the socket if the equipment is not in use for a longer period of time. Always pull out only at the mains plug.
- If foreign substances or fluids access the receiver, immediately pull out the mains plug from the socket. Ask a qualified person to check the equipment before operating it once again. Otherwise there is a risk of electric shock.
- The total power consumption by the antenna connection of the receiver "LNB IN“ must not exceed 400 mA.
- Do not bend or crimp the mains cable.
- Never touch the mains cable with humid hands. Otherwise there is a risk of electric shock.
- If the mains cable is damaged, the receiver must be repaired by an expert before reusing it. Otherwise there is a risk of electric shock.
- Never allow children to operate the receiver or to play with the antenna unit unless supervised.
- Always ask qualified personnel to carry out maintenance jobs. Otherwise you are putting yourself and others at risk.
- Disconnect the receiver from the power source in case of operational disruptions.
- Never cover ventilation slits. Ensure adequate ventilation.

- Do not expose the apparatus to dripping or splashing. Do not place water-filled objects like vases on or atop of the receiver. Otherwise, there is a risk of electric shock.
- Place the receiver on a stable and smooth base.
- Avoid proximity to heat sources, like e. g. heaters, naked flames, like e. g. candles, devices with strong magnetic fields, like e. g. loudspeakers.
- Avoid direct sunlight and places with an extremely high amount of dust or high humidity.
- Do not place any heavy objects on the receiver.
- Humidity may settle in the receiver if is brought from cold into hot surroundings. In this case, please wait for about two or three hours before operating the equipment.
- Never cover ventilation slits. Ensure adequate ventilation by maintaining a safety distance of 5 cm to other objects.
- Arrange the mains and antenna cable in such a manner that no one steps or trips over them.
- Use the apparatus only in moderate climates (not in tropical climates).

Correct Battery Handling

- Batteries may contain toxic agents. Ensure that batteries are not within the reach of children. Children may eat and swallow batteries.
- Leaking batteries may cause damages at the remote control. Batteries may contain toxic agents that are hazardous to the environment. Therefore, dispose of the batteries immediately according to the prevailing statutory regulations. Never throw the batteries in normal household waste.

Appropriate Usage

The digital satellite receiver receives digital channels in a covered area. It is exclusively meant for this purpose and should only be used for the same. This also includes paying attention to all information in this operating manual especially that of safety instructions.

Any other usage is considered to be improper and may lead to material damages and even personal injuries.

The manufacturer does not bear any liability for damages caused due to improper usage.

Scope Of Supply

Please check the scope of supply after purchase. If any part is missing, please contact your dealer.

- The Satellite Receiver Smart MX 04,
- Remote Control,
- 2 pieces of batteries (type AAA) for the remote control,
- Instruction Manual.

Description

With the Smart MX 04 Free-To-Air Digital Satellite Receiver you can receive Free-To-Air channels. There are hundreds of free digital TV and Radio channels which can be received.

The digital satellite receiver Smart MX 04 has a mains connection of 175 - 250 V AC, 50/60 Hz.

The most common digital broadcasting stations of the mostly used satellites are pre-programmed. You can receive the digital channels broadcasted through these satellites as soon as you have connected the receiver to a satellite antenna and oriented it to one of these satellites.

All functions of the Receiver can be operated with the remote control. All receiver settings can be done easily using the user interface (menu) on the TV-monitor. The user interface supports multiple languages.

Control Elements / Functions

Front Side

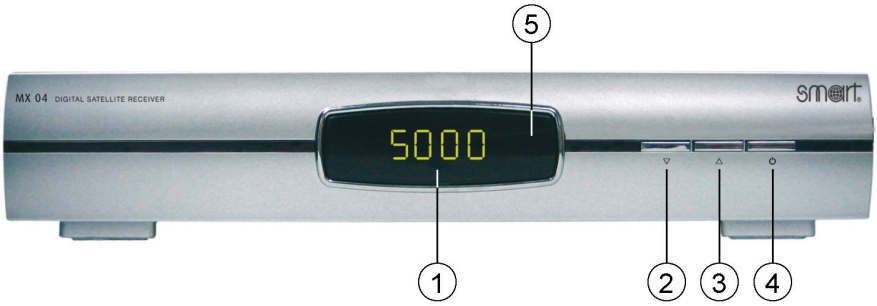
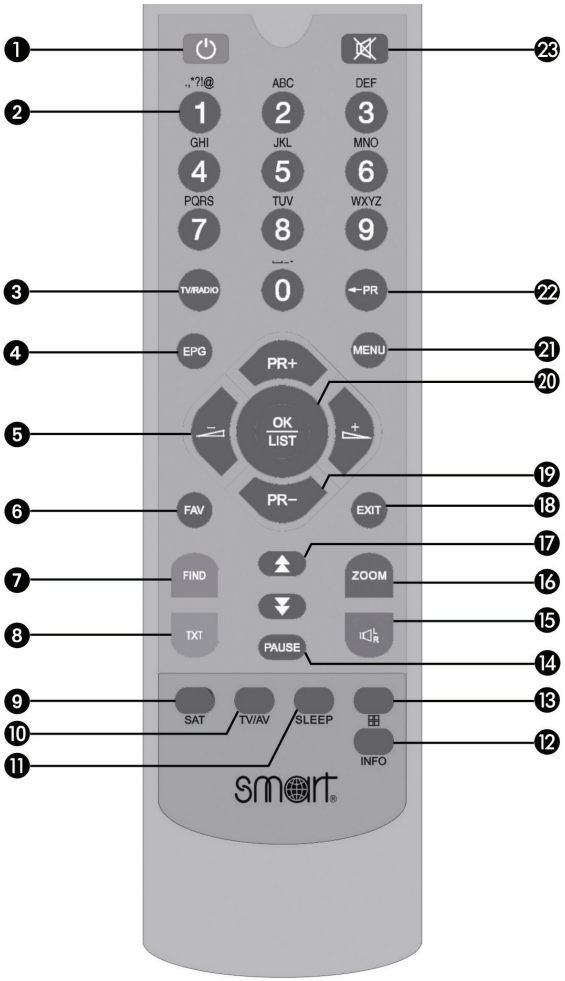


Figure 1: Control Elements at the front side

No.	Symbol	Description
1	Display	Channel display
2	PR ▼	Button to switch the channels downwards step by step
3	PR ▲	Button to switch the channels upwards step by step
4	On/Off switch	Switch between power and standby
5	Standby LED	Indicator of standby

Remote Control



No.	Button	Description
1	Standby	Switches between operation and standby mode.
2	Numeric buttons (0~9)	For direct choice of channels or for numeric or alphanumeric figures.
3	TV/Radio	Switches between TV and radio mode.
4	EPG	Shows detail information for individual channels. Press again for going back to previous mode.
5	VOL (+/-)	Turns up/down volume or changes the page of channel list.
6	FAV	Shows current favorite channel list.
7	Find	Find a channel.
8	TXT	Displays teletext information, if the broadcaster supports it.
9	SAT	Shows the programmed satellites.
10	TV/AV	Switches on and off the TV scart output.
11	SLEEP	Sleep Timer.
12	INFO	Displays the program information on the screen.
13	Mosaic	Displays several channels on the screen.
14	Pause	Pauses to freeze the screen.
15	Audio	Changes between different audio modes.
16	ZOOM	Magnification of display details.
17	Up	Switches between the satellites.
17	Down	Switches between the satellites.
18	EXIT	Back to former status.
19	PR (+/-)	Changes channels or moves the cursor upwards and downwards in the menu.
20	OK	Displays the channel list and selects the item on the menu.
21	MENU	Moves to main menu during TV viewing.
22	← PR	Change to the previous selected channel.
23	Mute	Turns sound on or off.

Rear Side With Modulator (optional)

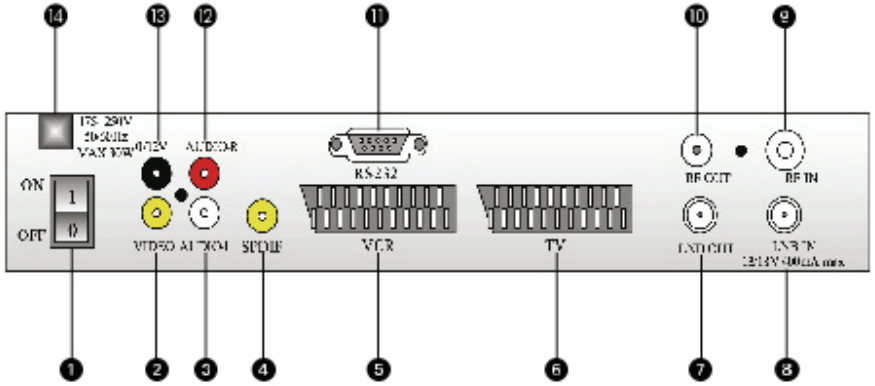


Figure 2: rear side of receiver

No.	Symbol	Description
1	POWER	On / Off switch for main supply
2	VIDEO	Video output (Composite)
3	AUDIO-L	Audio output left
4	SPDIF	Digital output
5	VCR	SCART output for Video
6	TV	SCART output for TV
7	LNB OUT	Satellite signal loop through out
8	LNB IN	Digital satellite signal input
9	RF-IN	Antenna input
10	RF-OUT	Antenna output
11	RS232	Serial Low-Speed-Interface
12	AUDIO-R	Audio output right
13	0/12V	0/12 Volt-output
14	175 - 250 V AC, 50/60 Hz	mains connection

Inserting Of Batteries

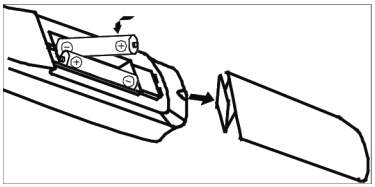


Figure 3: Inserting of batteries into the remote control

Open the battery compartment on back side of remote control. Insert two batteries type AAA according to polarities mentioned on the battery compartment. Push the cover of the battery compartment carefully till the cover is locked.

Replacing Of Batteries

Replace discharging batteries on time. Always replace both batteries simultaneously and use batteries of the same type.

Safety Instructions

	Attention! Do not recharge or destruct normal batteries. Do not throw them into fire. Batteries may contain toxic agents that are hazardous to health and environment. Therefore, dispose of the batteries immediately according to the prevailing statutory regulations. Never throw the batteries in normal household waste.
	Note! Always insert the batteries according to their polarities. Batteries which are getting discharged may damage the remote control. If you do not use the receiver for a longer period of time, remove the batteries from the remote control.

Connecting The Receiver

Attention!
Check that connections of all equipment and the antenna are proper before connecting the receiver to the mains.

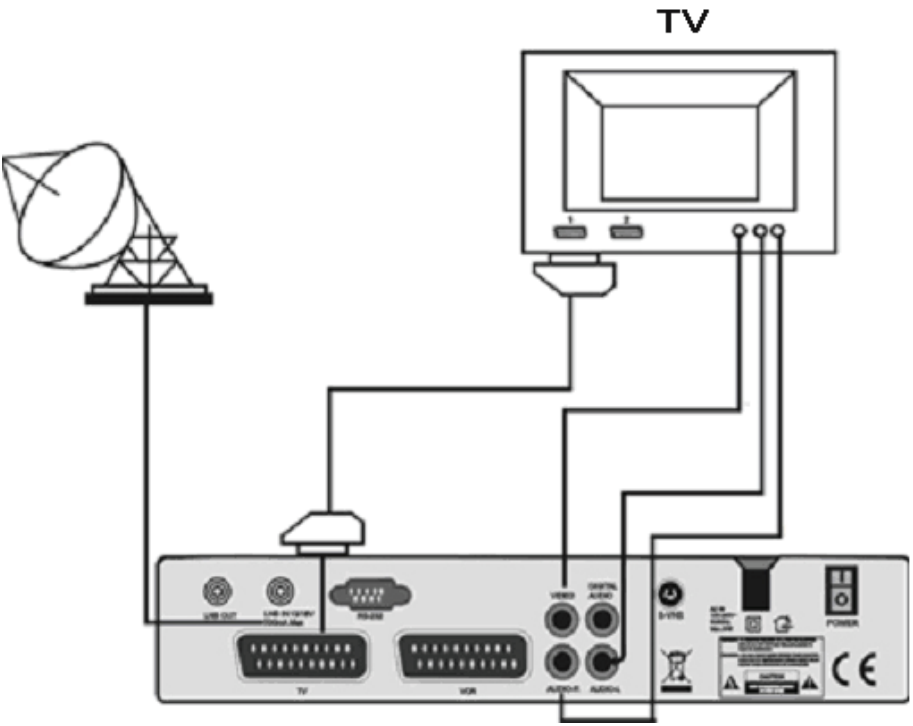


Figure 4: connection scheme

Connecting The Satellite Antenna

Connect the cable of the satellite antenna with the receiver. Screw the F-connector of the cable to the LNB IN socket of the receiver.

Connecting The TV-Set

Connect your TV-Set with the Scart output for TV. Alternatively you can also use the connectors AUDIO-L, AUDIO-R and VIDEO.

If the receiver has a modulator, you can connect the RF-OUT of the receiver with the antenna input of the TV-Set. If you want to receive programs as well via the house antenna, you must connect the RF-IN socket of the receiver with the antenna socket in your house.

When all antenna cables are connected, you can select a free channel on your TV-Set and start the channel search. Please look for details in the user manual of your TV-Set.

The output channel of the modulator is pre-set to channel 38.

Connecting A Dolby-Digital Device

If you want to connect a Dolby-Digital device, you can connect it with a coaxial cable to the digital output (SPDIF) of the receiver. For connecting to the Dolby-Digital device please read its user manual.

Operation

After connecting all devices, you can plug in the mains supplies of all connected devices and switch them on.

Start Operating The Receiver

Switching On The Receiver

After connecting the receiver (see page 14), you can switch it on with the switch at the rear side.

You can see "Strt" for start on the display of the receiver. On the TV screen you find a selection of available languages.

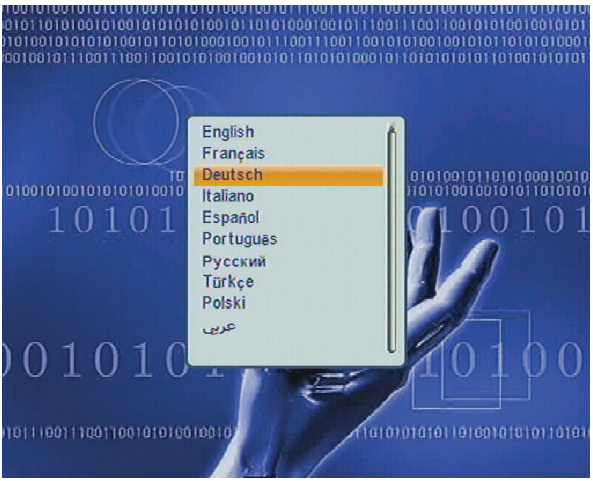


Figure 5: Selection of language after first startup

Select your language with the PR (+/-) buttons and confirm with OK.

Operating At The Front Panel

Figure 6: Front side of the receiver

At the rear side of the receiver is the main supply switch. Here you should switch the device off if it will not be used for longer time. Here you also have to switch the device on afterwards.

With the On/Off switch at the front side you can switch your receiver to the standby mode. If the receiver is in the standby mode, press the On/Off switch to switch the receiver on.

On the display you can see the actual channel number.

For selecting the channels upwards press PR ▲, for selecting the channels downwards press PR ▼.

Navigation In The Menus

Note!

A menu is a text field, which will be displayed on the screen. Selectable options are marked with color. Not marked options cannot be changed or selected. Most options in the menus are explained on the bottom of the screen.

With the PR (+/-) and VOL (+/-) buttons you can navigate through the menu.

After marking the selected option you can confirm your selection with the OK button.

With pressing the EXIT button you can leave the menu and come to the previous mode.

Insert Code

To protect some settings against unauthorized access and changes, they are only accessible after inserting a code. When selecting one of these menus, you will be asked to enter the code.

Note!

The default code is ***0000***.

You can change the code at any time (see chapter Channel Lock on page 39).

Edit Channel

⇨ Press MENU on the remote control.
⇨ Select the menu point ***Edit Channel***.
⇨ To confirm press OK.
⇨ Insert your code.

TV Channel List

Select the menu point ***Edit Channel*** in the main menu.

⇨ Select ***TV Channel List***.
⇨ To confirm press OK.
⇨ To leave the menu, press EXIT.

Figure 7: TV Channel List

⇨ Select the satellite which channel list should be shown with VOL (+/-).
⇨ Select the channel which you want to edit with PR (+/-).

FAV

⇨ Press FAV to add the marked channel to the favorite s list.
⇨ Press the OK button.
⇨ Select with PR (+/-) the favorite list for the selected channel. Confirm with the OK button.

Locking

⇨ Press Find to lock channels.
⇨ Select the channel, which should be locked, with the PR (+/-) buttons.
⇨ Press the OK button to lock the selected channel.

Skip

⇨ Press ZOOM to skip channels in the channel list.
⇨ Select the channel which should be skipped with PR (+/-).
⇨ To confirm press OK.

Move

⇨ Press TXT to move channel to another place in the list.
⇨ Select the channel which should be moved.
⇨ Press the OK button.
⇨ Move the selected channel with PR (+/-) to the new position.
⇨ Press the OK button to store the channel at the new position.

Change

Sort

⇨ Press Audio to change the channel list. Then press Find to get an overview about the sorting mode. Select a sorting mode with PR (+/-) and confirm with the OK button.

Change

⇨ Press Audio to change the channel list.
⇨ Press ZOOM to change the channel name.
⇨ To confirm press OK.
⇨ Insert the new name with the Numeric buttons (0~9). Just like on mobile phones, every numeric button has also some alphanumeric functions. With pressing several times on the same button you can select the letters with are printed on top of the Numeric buttons (0~9) of the remote control.
⇨ Press the VOL (+/-) buttons to move to the left or right in the input field. To add a letter, press first the VOL-+ button. Then press the numeric button for the desired letter.

Note!

Press Find to switch between small and capital letters. You can see on the letters ABC on top of the input panel which spelling is active.

Press ZOOM for deleting a figure or letter.

Press TXT to finish the input and show the entered channel.

Press Audio or EXIT to exit the dialog box.

⇨ For leaving the menu, press EXIT once or repeatedly.

Delete

⇨ Press Audio to change the channel list.

⇨ Press Audio again to delete a channel.

⇨ Select with PR (+/-) the channel which you want to delete.

⇨ To confirm press OK.

Radio Channel List

To select the radio channel list, go to the menu ***Edit Channel***, see page 19.

⇨ Select the menu point ***Radio channel list***.

⇨ To confirm press OK.

⇨ All further functions are the same as for the TV channel list. Please look under ***Edit Channel***, page 19 .

⇨ For leaving the menu, press EXIT once or repeatedly.

Delete All

To delete all radio channels, go to the menu ***Edit Channel***, see page 19.

⇨ Select the point ***Delete All***.

⇨ To confirm press OK.

⇨ Select ***Yes*** if you really want to delete all channels.

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Installation

⇨ Press MENU.
⇨ Select the menu point ***Installation***.
⇨ To confirm press OK.
⇨ Insert the code (see page 18).

Antenna Connection

To select the kind of antenna, go to the menu ***Installation***.
⇨ Select the menu point ***Antenna Connection***.
⇨ To confirm press OK.
⇨ Select ***Fixed Antenna*** if you receive your satellite channels with a fixed satellite antenna.
⇨ Select ***Motor Antenna*** if your satellite antenna is a slewable one.
⇨ For leaving the menu, press EXIT once or repeatedly.

Satellite List

For selecting the satellite list, go to the menu ***Installation***.
⇨ Select the menu point ***Satellite list***.
⇨ To confirm press OK.
⇨ Select from the list the satellites which you can receive.
⇨ To confirm press OK. Behind the satellite name appears a checkmark.
⇨ For leaving the menu, press EXIT once or repeatedly.

Antenna Setup

LNB Type

To change the LNB type, go to the menu ***Installation***.
⇨ Select the menu point ***Antenna Setup***.
⇨ To confirm press OK.
⇨ Select the menu point ***LNB Type***.
⇨ To confirm press OK.
⇨ Select the LNB type.
⇨ To confirm press OK.
⇨ For leaving the menu, press EXIT once or repeatedly.

Motor Type

To change the activation of your satellite antenna, go to the menu ***Installation*** on page 22.

⇨ Select the menu point ***Antenna Setup***.

⇨ To confirm press OK.

⇨ Select the menu point ***Motor Type***.

⇨ Select the kind of activation.

You can select between following settings:

- USALS
- DiSEqC 1.2
- For leaving the menu, press EXIT once or repeatedly.

Local Longitude

To change the local longitude, go to the menu ***Installation*** on page 22. This menu point is only active when antenna setting is set on ***USALS*** (see chapter ***Motor Type***, page 23).

⇨ Select the menu point ***Antenna Setup***.

⇨ To confirm press OK.

⇨ Select the menu point ***Local Longitude***.

⇨ Select the direction (east / west) with VOL (+/-).

⇨ To confirm press OK.

⇨ Insert the longitude with the Numeric buttons (0~9).

⇨ For leaving the menu, press EXIT once or repeatedly.

Local Latitude

To change the local latitude, go to the menu ***Installation*** on page 22. This menu point is only active when antenna setting is set on ***USALS*** (see chapter ***Motor Type***, page 23).

⇨ Select the menu point ***Antenna Setup***.

⇨ To confirm press OK.

⇨ Select the menu point ***Local Latitude***.

⇨ Select the direction (north / south) with VOL (+/-).

⇨ To confirm press OK.

⇨ Insert the latitude with the Numeric buttons (0~9).

⇨ For leaving the menu, press EXIT once or repeatedly.

Delete All

To delete the saved satellite positions, go to the menu ***Installation*** on page 22. This menu point is only active when antenna setup is set on ***DiSEqC 1.2*** (see chapter ***Motor Type***, page 23).

⇨ Select the menu point ***Antenna Setup***.

⇨ To confirm press OK.

⇨ Select the menu point ***Delete all***.

⇨ To confirm press OK.

⇨ If you really want to delete all settings, select ***Yes*** and confirm with the OK button.

⇨ If you do not want to delete the settings, select ***No*** press the OK button.

⇨ For leaving the menu, press EXIT once or repeatedly.

Motor Setting

To change the motor settings, go to the menu ***Installation*** on page 22.

⇨ Select the menu point ***Antenna Setup***.

⇨ To confirm press OK.

⇨ Select the menu point ***Motor Setting***.

⇨ To confirm press OK.

At the bottom of the menu you can see two progress bars for signal strength and signal quality.

Satellite

⇨ Select the menu point ***Satellite***.

⇨ To confirm press OK.

⇨ Select the satellite which position you want to setup.

⇨ To confirm press OK.

Transponder

⇨ Select the menu point ***Transponder***.

⇨ To confirm press OK.

⇨ Select a transponder.

⇨ To confirm press OK.

Pos.No. & Save

⇨ Select the menu point ***Pos.No. & Save***.

⇨ Select a position number.

Go To X

⇨ Select the menu point ***go to X***.

⇨ To confirm press OK.

⇨ Select a position.

⇨ To confirm press OK.

Save

⇨ Select the menu point ***Save***.

⇨ Change the setting of the satellite antenna with the VOL (+/-) buttons

⇨ Safe your changes with the OK button.

⇨ If you want to safe the new settings, then select ***Yes*** and confirm with the OK button.

⇨ Otherwise select ***No*** and confirm with the OK button.

Recalculation

⇨ Select the menu point ***Recalculation***.

⇨ To confirm press OK.

⇨ If you want to have all satellite positions recalculated, then select ***Yes*** and confirm with the OK button.

⇨ Otherwise select ***No*** and confirm with the OK button.

Limit Setup

To setup or change the limits for the slewable satellite antenna, go to the menu ***Installation*** on page 22.

⇨ Select the menu point ***Antenna Setup***.

⇨ To confirm press OK.

⇨ Select the menu point ***Limit Setup***.

⇨ To confirm press OK.

Limit Setup

⇨ Select the menu point ***Limit Setup***.

⇨ Select the limit of the position.

You can select following points:

- Disable Limit
- West Limit
- East Limit

Limit Setup

⇨ Select the menu point ***Limit Setup***.

⇨ Change the limit with the VOL (+/-) buttons.

Go To Reference

⇨ Select the menu point ***Go to reference***.

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Single Satellite Search

To search channels on a satellite, go to the menu ***Installation*** on page 22.

⇨ Select the menu point ***Single Satellite Search***.

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Satellite

⇨ Select in menu ***Single Satellite Search*** the menu point ***Satellite***.

⇨ To confirm press OK.

⇨ Select a Satellite from the list.

⇨ To confirm press OK.

Scan Channel

⇨ Select the menu point ***Scan Channel*** in menu ***Single Satellite Search***.

⇨ If you only want to search for TV channels, then select ***TV Channels***.

⇨ If you want to search for radio channels, then select ***Radio***.

⇨ If you want to search for TV and radio channels, then select ***TV + Radio***.

Network Search

⇨ Select the menu point ***Network Search*** in menu ***Single Satellite Search*** on page 26. This menu point is only active when you have selected ***Preset Scan***.

⇨ If you want to search with network search, then select ***Yes***.

⇨ Otherwise select ***No***.

Scan Mode

⇨ Select the menu point ***Scan Mode*** in menu ***Single Satellite Search*** on page 26.

⇨ Select the search mode ***Preset Scan*** or ***Blind Search***.

Search

⇨ Select the menu point ***Search*** in menu ***Single Satellite Search*** on page 26.

⇨ Press OK to start the search run.

Multi Satellite Search

To search channels on several satellites, go to the menu ***Installation*** on page 22.

⇨ Select the menu point ***Multi Satellite Search***.

⇨ Confirm with OK. At the bottom of the menu you can see the satellites on which the channels will be searched.

⇨ For leaving the menu, press EXIT once or repeatedly.

Satellite

⇨ Select the menu point ***Satellite*** in menu ***Multi Satellite Search***.

⇨ To confirm press OK.

⇨ Select a satellite from the list.

⇨ To confirm press OK.

Scan Channel

⇨ Select the menu point ***Scan Channel*** in menu ***Multi Satellite Search*** on page 27.

⇨ If you only want to search for TV channels, then select ***TV Channels***.

⇨ If you want to search for radio channels, then select ***Radio***.

⇨ If you want to search for TV and radio channels, then select ***TV + Radio***.

Network Search

⇨ Select the menu point ***Network Search*** in menu ***Multi Satellite Search*** on page 27. This menu point is only active when you have selected ***Preset Scan***.

⇨ If you want to search with network search, then select ***Yes***.

⇨ Otherwise select ***No***.

Scan Mode

⇨ Select the menu point ***Scan Mode*** in menu ***Multi Satellite Search*** on page 27.

⇨ Select the search mode ***Preset Scan*** or ***Blind Search***.

Search

⇨ Select the menu point ***Search*** in menu ***Multi Satellite Search*** on page 27

⇨ Press OK to start the search run.

TP List

To select the transponder list, go to the menu ***Installation*** on page 22.

⇨ Select the menu point ***TP List***.

⇨ To confirm press OK.

⇨ To edit the TP List, press Find.

⇨ To add a transponder, press ZOOM.

⇨ To delete a transponder, press TXT.

⇨ To search a transponder, press Audio.

⇨ For leaving the menu, press EXIT once or repeatedly.

System Setup

⇨ Press MENU.
⇨ Select the menu point ***System Setup***.
⇨ To confirm press OK.

Language

Figure 8: menu for language settings

Language

The menu language is set when the receiver was stared for the first time (see chapter ***Start Operating The Receiver***, page 16).

To change the menu language, go to the menu ***System Setup***.

⇨ Select the menu point ***Language***.
⇨ To confirm press OK.
⇨ Select with VOL (+/-) the desired language.
⇨ To confirm press OK.
⇨ For leaving the menu, press EXIT once or repeatedly.

First Audio

To change the first audio language, go to the menu ***System Setup*** on page 29.

⇨ Select the menu point ***Language***.

⇨ To confirm press OK.

⇨ Select the menu point ***First Audio***.

⇨ To confirm press OK.

⇨ Select with VOL (+/-) the desired language.

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Second Audio

To change the second audio language, go to the menu ***System Setup*** on page 29.

⇨ Select the menu point ***Language***.

⇨ To confirm press OK.

⇨ Select the menu point ***Second Audio***.

⇨ To confirm press OK.

⇨ Select with VOL (+/-) the desired language.

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Subtitle Language

To change the language of the subtitle, go to the menu ***System Setup*** on page 29.

⇨ Select the menu point ***Language***.

⇨ To confirm press OK.

⇨ Select the menu point ***Subtitle Language***.

⇨ To confirm press OK.

⇨ Select with VOL (+/-) the desired language.

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Teletext

To change the language of the teletext, go to the menu ***System Setup*** on page 29.

⇨ Select the menu point ***Language***.
⇨ To confirm press OK.
⇨ Select the menu point ***Teletext***.
⇨ To confirm press OK.
⇨ Select with VOL (+/-) the desired language.
⇨ To confirm press OK.
⇨ For leaving the menu, press EXIT once or repeatedly.

TV System

Figure 9: menu for TV System

Display Mode

To change the color TV norm, go to the menu ***System Setup*** on page 29.

⇨ Select the menu point ***TV-System***.
⇨ To confirm press OK.
⇨ Select the menu point ***Display Mode***.
⇨ To confirm press OK.

⇨ Select the adequate color TV norm for your system with the VOL (+/-) buttons.

To be available are following norms

- PAL
- PAL-M
- PAL-N
- NTSC
- Auto

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Aspect Mode

To change the screen format, go to the menu ***System Setup*** - see on page 29.

⇨ Select the menu point ***TV-System***.

⇨ To confirm press OK.

⇨ Select the menu point ***Aspect Mode***.

⇨ To confirm press OK.

⇨ Select with VOL (+/-) the adequate screen format for your TV-Set.

To be available are:

- 4:3 PanScan
- 4:3 Letter Box
- 16:9

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Video Output

To change the format of the video signal, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***TV-System***.

⇨ To confirm press OK.

⇨ Select the menu point ***Video Output***.

⇨ Select the video output format with VOL (+/-).

To be available are:

- RGB
- CVBS

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

RF System (only for Receivers with Modulator)

To change the color TV norm of the modulator, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***TV System***.

⇨ To confirm press OK.

⇨ Select the menu point ***RF System***.

⇨ To confirm press OK.

⇨ Select the norm for the modulator with VOL (+/-).

To be available are:

- PAL-BG
- PAL-I
- PAL-DK
- NTSC

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

RF Channel (only for Receivers with Modulator)

To change the output channel of the modulator, go to the menu ***System Setup*** – see on page 29.

Select the menu point ***TV-System***.

⇨ To confirm press OK.

⇨ Select the menu point ***RF Channel***.

⇨ To confirm press OK.

⇨ Select the output channel for the modulator. Default setting is the RF channel 38.

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Local Time Setting

GMT Usage

To change the time setting, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Local Time Settings***.
⇨ To confirm press OK.
⇨ Select the menu point ***GMT Usage***.
⇨ Select ***On*** if the time setting should be automatically.
⇨ Select ***Off*** if you want to set or change the time manually.
⇨ To confirm press OK.
⇨ For leaving the menu, press EXIT once or repeatedly.

GMT Offset

To choose the time zone, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Local Time Settings***.
⇨ To confirm press OK.
⇨ Select the menu point ***GMT Offset***.
⇨ To confirm press OK.
⇨ Select the time zone for your location.
⇨ To confirm press OK.
⇨ For leaving the menu, press EXIT once or repeatedly.

Summertime

To select the summertime, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Local Time Settings***.
⇨ To confirm press OK.
⇨ Select the menu point ***Summertime***.
⇨ Select ***On*** when time is just summertime.
⇨ Select ***Off*** in wintertime.
⇨ To confirm press OK.
⇨ For leaving the menu, press EXIT once or repeatedly.

Date

To set the date, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Local Time Settings***.
⇨ To confirm press OK.

⇨ Select the menu point ***Date***.
⇨ Insert the date with the Numeric buttons (0~9).
⇨ For leaving the menu, press EXIT once or repeatedly.

Time

To set the time, go to the menu ***System Setup*** – see on page 29.
⇨ Select the menu point ***Local Time Settings***.
⇨ To confirm press OK.
⇨ Select the menu point ***Time***.
⇨ Insert the time with the Numeric buttons (0~9).
⇨ For leaving the menu, press EXIT once or repeatedly.

Timer Setting

To change the timer settings, go to the menu ***System Setup*** – see on page 29.
⇨ Select the menu point ***Timer setting***.
⇨ To confirm press OK.
⇨ Select the timer which you want to program or which you want to change.
⇨ To confirm press OK.

Timer Mode

To set the timer repetition, go to the menu ***System Setup*** – see on page 29.
⇨ Select the menu point ***Timer Settings***.
⇨ To confirm press OK.
⇨ Select the timer which you want to change or program.
⇨ To confirm press OK.
⇨ Select the menu point ***Timer Mode***.
⇨ Select the frequency of repetition.
To be available are following settings:

- off
- once
- daily
- weekly
- monthly
- yearly

⇨ Go to ***Save*** to safe your settings and press the OK button.

⇨ Go to ***Cancel*** for not saving the settings and press the OK button.

⇨ For leaving the menu, press EXIT once or repeatedly.

Timer Service

To select the service for the timer, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Timer Setting***.

⇨ To confirm press OK.

⇨ Select the timer which you want to change or program.

⇨ To confirm press OK.

⇨ Select the menu point ***Timer Service***.

⇨ Select the service.

To be available are:

- Channel
- Message

⇨ Go to ***Save*** to safe your settings and press the OK button.

⇨ Go to ***Cancel*** for not saving the settings and press the OK button.

⇨ For leaving the menu, press EXIT once or repeatedly.

Wakeup Channel

You can only choose a channel if the setting in menu point ***Timer Service***, (see page 36) is set on ***channel***.

⇨ Go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Timer Setting***.

⇨ To confirm press OK.

⇨ Select the timer which you want to change or program.

⇨ To confirm press OK.

⇨ Select the menu point ***Wakeup Channel***.

⇨ To confirm press OK.

⇨ Select the channel.

⇨ To confirm press OK.

⇨ Go to ***Save*** to safe your settings and press the OK button.

⇨ Go to ***Cancel*** for not saving the settings and press the OK button.

⇨ For leaving the menu, press EXIT once or repeatedly.

Wakeup Message

You can only chose the message if the setting in the menu point ***Timer Service*** (see page 36) is ***notice***.

To chose a message, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Timer Setting***.
⇨ To confirm press OK.
⇨ Select the timer which you want to change or program.
⇨ To confirm press OK.
⇨ Select the menu point ***Wakeup Message***.
⇨ To confirm press OK.
⇨ Select the kind of notice.

To be available are:

- Birthday
- Anniversary
- General

⇨ Go to ***Save*** to safe your settings and press the OK button.
⇨ Go to ***Cancel*** for not saving the settings and press the OK button.
⇨ For leaving the menu, press EXIT once or repeatedly.

Wakeup Date

To select the wakeup date, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Timer Setting***.
⇨ To confirm press OK.
⇨ Select the timer which you want to change or program.
⇨ To confirm press OK.
⇨ Select the menu point ***Wakeup Date***.
⇨ Insert the date.
⇨ Go to ***Save*** to safe your settings and press the OK button.
⇨ Go to ***Cancel*** for not saving the settings and press the OK button.
⇨ For leaving the menu, press EXIT once or repeatedly.

On Time

To select the start-up time, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Timer Setting***.
⇨ To confirm press OK.
⇨ Select the timer which you want to change or program.

⇨ To confirm press OK.
⇨ Select the menu point ***On Time***.
⇨ Insert the time.
⇨ Go to ***Save*** to safe your settings and press the OK button.
⇨ Go to ***Cancel*** for not saving the settings and press the OK button.
⇨ For leaving the menu, press EXIT once or repeatedly.

Duration

To select the duration, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Timer Settings***.
⇨ To confirm press OK.
⇨ Select the timer which you want to change or program.
⇨ To confirm press OK.
⇨ Select the menu point ***Duration***.
⇨ Insert the duration.
⇨ Go to ***Save*** to safe your settings and press the OK button.
⇨ Go to ***Cancel*** for not saving the settings and press the OK button.
⇨ For leaving the menu, press EXIT once or repeatedly.

Parental Lock

Figure 10: menu for setting the parental lock

To change the setting of Parental Lock, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Parental Lock***.

⇨ To confirm press OK.

⇨ Insert the code (see page 18).

⇨ For leaving the menu, press EXIT once or repeatedly.

Menu Lock

⇨ Select the menu point ***Menu Lock*** in the menu ***Parental Lock***.

⇨ Select ***On*** if you want to lock some menus.

⇨ Select ***Off*** if all settings shall be free accessible. Only exception: the menu ***Parental Lock*** can only be opened after inserting the code.

⇨ For leaving the menu, press EXIT once or repeatedly.

Channel Lock

⇨ Select the menu point ***Channel Lock*** in the menu ***Parental Lock***.

⇨ Select ***On*** if you want to lock some channels.

⇨ Select ***Off*** if all settings shall be free accessible. Only exception: the menu ***Parental Lock*** can only be opened after inserting the code.

⇨ For leaving the menu, press EXIT once or repeatedly.

New Password

⇨ Select the menu point ***New Password*** in the menu ***Parental Lock***.

⇨ Insert a new code with the Numeric buttons (0~9).

⇨ Repeat the new code under ***confirm password***.

⇨ You will see the message ***Change password successfully!*** Confirm the new code with the OK button.

⇨ For leaving the menu, press EXIT once or repeatedly.

Note!

When the new code is inserted and confirmed, there is no possibility to revoke or cancel the code change.

OSD Setting

Figure 11: menu for OSD Setting

To change the settings of the OSD, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***OSD Setting***.

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Subtitle Display

⇨ Select the menu point ***Subtitle Display*** in the menu OSD Setting.

⇨ Select ***on*** to show the subtitles.

⇨ Select ***off*** to hide the subtitles.

⇨ For leaving the menu, press EXIT once or repeatedly.

OSD Timeout

⇨ Select the menu point ***OSD Timeout*** in the menu OSD Setting.

⇨ To confirm press OK.

⇨ Select the time how long the menu shall be displayed. The minimum is 1 second and the maximum is 10 seconds.

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

OSD Transparency

⇨ Select the menu point ***OSD Transparency*** in the menu OSD Setting.

⇨ To confirm press OK.

⇨ Select the value for die transparency.

To be available are following grades:

- Off
- 10%
- 20%
- 30%
- 40%

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Favorite

Figure 12: change name of favorite list

To change the names of the favorite lists, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Favorites***.

⇨ To confirm press OK.

⇨ Select the favorite list supposed to be changed.

⇨ To confirm press OK.

⇨ Insert the new name with the Numeric buttons (0~9). Just like on mobile phones, every numeric button has also some alphanumeric functions. With pressing several times on the same button you can select the letters with are printed on top of the Numeric buttons (0~9) of the remote control.

⇨ Press the VOL (+/-) buttons to move to the left or right in the input field. To add a letter, press first the VOL-+ button. Then press the numeric button for the desired letter.

	Note! Press Find to switch between small and capital letters. You can see on the letters ABC on top of the input panel which spelling is active. Press ZOOM for deleting a figure or letter. Press TXT to finish the input and show the entered channel. Press Audio or EXIT to exit the dialog box.

⇨ For leaving the menu, press EXIT once or repeatedly.

Other

Figure 13: menu for other

LNB Power

To switch the LNB voltage on or off, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Other***.

⇨ To confirm press OK.

⇨ Select the menu point ***LNB voltage***.

⇨ Select ***On*** if there should be any voltage at the LNB IN socket.

⇨ Select ***Off*** if there should be no voltage at the LNB IN socket.

Channel Play Type

To change the channel type, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Other***.

⇨ To confirm press OK.

⇨ Select the menu point ***Channel Play Type***.

⇨ Select ***Free*** if you only want to watch free-to-air channels.

⇨ Select ***All*** if you want to watch all channels.

⇨ For leaving the menu, press EXIT once or repeatedly.

Channel Change

To select the kind of change of channels, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Other***.

⇨ To confirm press OK.

⇨ Select the menu point ***channel change***.

⇨ Select ***Black Screen*** if you want to see a black screen when switching from one channel to another.

⇨ Select ***Freeze*** if you want to see the latest picture before switching to another channel.

⇨ For leaving the menu, press EXIT once or repeatedly.

Beeper

The receiver can show the signal strength of the actual channel with a sound signal. The stronger the signal, the higher will be the sound. This is very helpful when adjusting the satellite antenna. The better the antenna is adjusted to the satellite, the higher is the sound. To switch this sound signal on or off, go to the menu ***System Setup*** – see on page 29.

⇨ Select the menu point ***Other***.

⇨ To confirm press OK.

⇨ Select the menu point ***Beeper***.
⇨ Select ***On*** to switch the sound signal on.
⇨ Select ***Off*** to switch the sound signal off.

Tools

Figure 14: menu for tools

⇨ Press MENU.
⇨ Select the menu point ***Tools***.
⇨ To confirm press OK.
⇨ Insert the code (see chapter Insert Code, page 18).

Information

To get information about hardware and software of the Smart MX 04 go to the menu ***Tools***.

⇨ Select the menu point ***Information***.
⇨ To confirm press OK.
⇨ For leaving the menu, press EXIT once or repeatedly.

Factory Setting

To reset the receiver to default setting, go to the menu ***accessories***.

⇨ Select the menu point ***Factory Setting***.
⇨ To confirm press OK.
⇨ Select ***Yes*** if you really want to reset the receiver to default setting.
⇨ Select ***No*** if you want to keep the settings of the receiver.
⇨ For leaving the menu, press EXIT once or repeatedly.

SatcoDX Auto Programming

To start the SatcoDX Auto Programming, go to the menu ***Tools***.

⇨ Select the menu point ***SatcoDX Auto-Programming***.
⇨ To confirm press OK.
⇨ Start the programming with the OK button.
⇨ For leaving the menu, press EXIT once or repeatedly.

SW Upgrade by OTA

To upgrade the software of the receiver over satellite, go to the menu ***Tools***.

⇨ Select the menu point ***SW Upgrade by OTA***.
⇨ To confirm press OK.
⇨ Select the parameter ***Satellite***, ***Transponder***, ***Frequency***, ***Symbol Rate***, ***Polarisation*** and ***Download PID*** with the PR (+/-) and VOL (+/-) buttons.
⇨ Select the menu point ***Start***.
⇨ Start the Update with the OK button.
⇨ For leaving the menu, press EXIT once or repeatedly.

RAPS

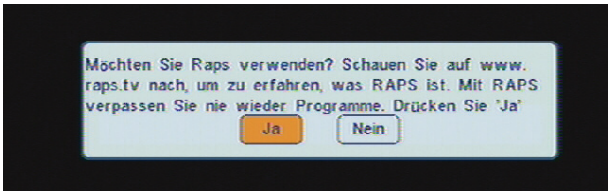

Mochten Sie Raps verwenden? Schauen Sie auf www.
raps.tv nach, um zu erfahren, was RAPS ist. Mit RAPS
verpassen Sie nie wieder Programme. Drücken Sie 'Ja'
Ja
Nein

Figure 15: Decision for RAPS

What is RAPS?

The receiver is preset for the receipt of Astra 19,2°, Eutelsat Hot Bird 13° east and Türksat 42° with the common receiving installations. You only have to connect, switch on and watch TV. But this receiver is able to do more. It has the automatical programming system RAPS, which we recommend to use so that you always receive the updated channels.

Today you can receive more than 1,200 TV and radio channels via the most important satellite system Astra 19,2° and Eutelsat Hot Bird 13° east and Turksat 42°.

Modern satellite receivers have stored all important channels at delivery status. But what is later? Nearly every week there are new interesting channels. To store these new channels in the existing set top box is not so easy for most of the users. And furthermore the new channels will usually be added on the last place so that the viewer has to reprogram his list time-consuming.

RAPS gives the viewer and the listener an easy possibility to be always up-to-date. RAPS relieves you of the task of programming. And this without any additional costs. You can configure certain standard settings like country or preferred regional channels, you can also hide foreign languages or certain channels like erotic channels.

Whenever you switch on the receiver, RAPS searches automatically for new channels. This lasts only a few seconds. If there are new channels, these will be added automatically to the channel list and will be shown on the screen as new channels. If channels will be shut down irrecoverably, they will be deleted automatically. The new channels will be sorted into logical blocks, this is why also some areas can remain free. For this procedure it is necessary to overwrite the general channel list. All changes which you have made by hand meanwhile will be deleted then.

But for all that it is no problem if you want to program channels by yourself. You can store an own channel list as favourite list, and favourite lists will not

be changed by the new RAPS list. Furthermore you can deactivate RAPS at any time with default reset.

RAPS gives you plenty of rope here.

Install or update RAPS automatically

Note!

Scanning for new RAPS lists will only be made in TV mode. Switch to TV mode to search manually for a new RAPS list or make later configuration changes of your RAPS system.

The RAPS list will only be transmitted when you receive Astra 19,2°.

When you use RAPS only the channel list will be updated. Favourite lists established by you will remain unaffected.

⇨ To activate RAPS on your receiver, reset it to default or select ***RAPS*** under ***MENU -> SOFTWARE VERSION***.

⇨ After default reset you have to select the menu language.

In the following menu you can choose if you want to use RAPS or not.

⇨ If you want to use RAPS, select the option ***yes*** with the PR (+/-) buttons.

⇨ Press OK.

The receiver will now search for the updated RAPS list.

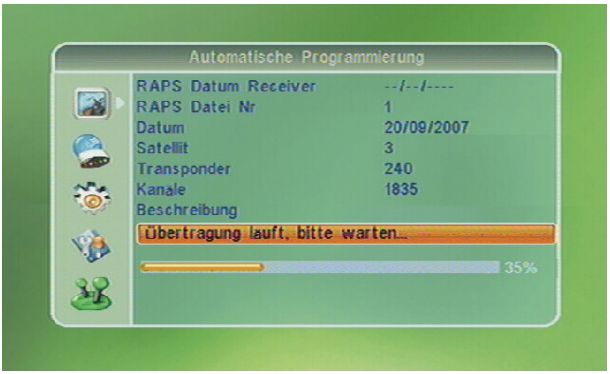


Figure 16: Automatic programming

You can see the progress of update at the status bar.

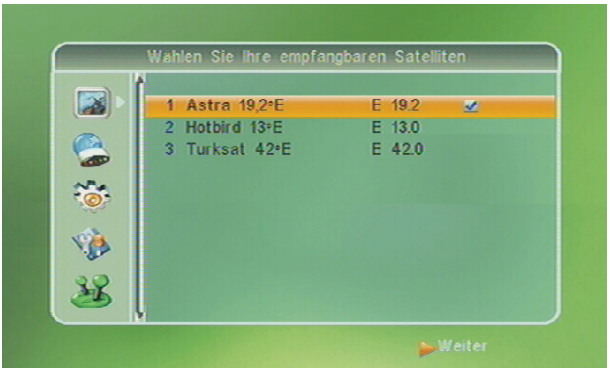


Figure 17: Selection of receivable satellites

Afterwards you can see a selection of receivable satellites.

⇨ Select the satellite which you would like to receive with the PR (+/-) buttons.

⇨ Confirm your selection with OK.

The field behind the selected satellite will be checked now.

⇨ Repeat these steps for all desired satellites.

⇨ Finally press Vol-+ to come to the next step.

Figure 18: Selection of RAPS list

The list on the screen shows the available RAPS data.

⇨ To select the ideal list, press the PR (+/-) buttons.

⇨ Confirm your selection with OK.

Adjust Local TV Channel

In the following menu you must select the local TV channel.

Figure 19: Selection of local channel

You can see the available local TV channels in a list.

⇨ Select the requested TV channel with the PR (+/-) buttons.

⇨ Confirm your selection with the OK.

☞	**Note!** Depending on the receiver and the input on the following pages, it can happen that some of the following menu points will not be shown. In any case you have to follow all settings through. Only then RAPS is completely configured.

Allow Erotic Channels

⇨ As next you can select if you want to watch channels with erotic contents.

⇨ Select ***yes*** or ***no*** with the VOL (+/-) buttons.

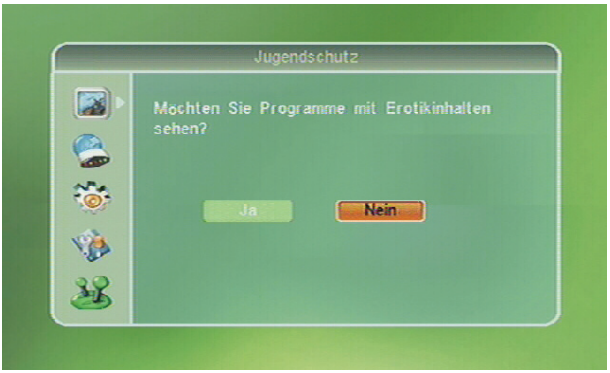


Figure 20: Protection of minors

⇨ Confirm your selection with the OK.

Show Pay-TV Channels

If you have subscribed –TV channels, select ***yes*** with the VOL (+/-) buttons and confirm your selection with OK. If you select ***no,*** the Pay-TV channels will not be inserted in the channel list.

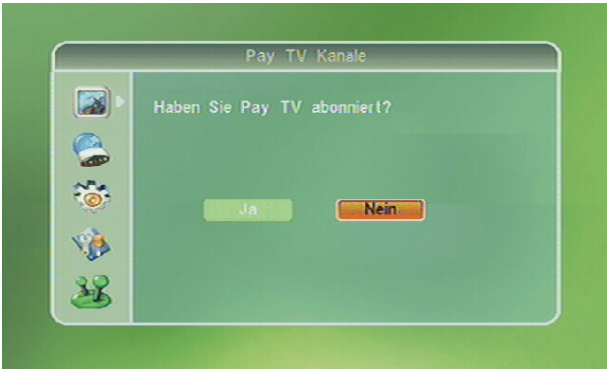


Figure 21: Pay-TV channels

If you have selected ***yes,*** you can see the following menu page with different encrypting systems.

Figure 22: Selection of encryption system

⇨ Press the PR (+/-) buttons to mark the system which is used by your Pay-TV provider. You will find corresponding information on your CI module or your card. In case of doubt you can select ***all.***

⇨ Confirm your selection with OK.

Behind the selected encrypting system will now be a check.

⇨ To select all encrypting systems, press Find.

⇨ To delete all checks from the list, press ZOOM.

⇨ At last press the VOL-+-Button to get to the next step.

Hiding Channel lists

You can hide the channel lists of not subscribed Pay-TV providers.

Figure 23: hide channel lists

⇨ Press the PR (+/-) buttons to mark a list.

⇨ Confirm your selection with OK.

Behind the selected channel list will now be a check.

⇨ Repeat these steps for all channel lists which should be hidden.

⇨ At last press the VOL-+-Button to get to the next step.

Hide Some Languages

To arrange your channel list clearly, you can hide the languages which are not desired.

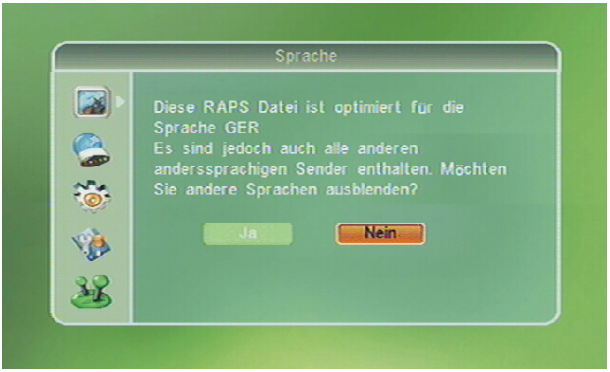

Sprache
Diese RAPS Datei ist optimiert für die Sprache GER
Es sind jedoch auch alle anderen anderssprachigen Sender enthalten. Möchten Sie andere Sprachen ausblenden?
Ja
Nein

Figure 24: Hiding of languages

⇨ Select ***yes*** with the VOL (+/-) buttons, if you want to hide some languages. Confirm your selection with OK.

Figure 25: Selection of languages

You can now see a list of languages of the screen and you can select each language separately.

⇨ Press the PR (+/-) buttons to mark a language.

⇨ Confirm your selection with OK.

The field behind the selected language will be checked now.

⇨ Repeat these steps for all languages with shall be hidden.

⇨ At last press the VOL-+-Taste to get to the next step.

⇨ To select all languages, press Find.

⇨ To delete all checks from the list, press ZOOM.

⇨ At last press the VOL-+-Button.

All Settings will now be saved.

Activate And Deactivate The Automatical Checking Of The RAPS List

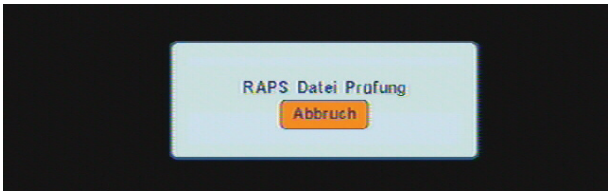


Figure 26: RAPS Data checking

RAPS will check after each switching-on if there is an updated RAPS list with modified channel data. This will last about 15 seconds.

Press EXIT to stop the checking.

If you do not want to use the automatical update function, act as follows:

⇨ Press MENU.

⇨ Select the menu ***accessories*** with the PR (+/-) buttons. Confirm your selection with OK.

⇨ If necessary, insert the code.

	Note! The default code is "0000“.

⇨ Select the menu ***RAPS System*** with the PR (+/-) buttons.

⇨ Confirm your selection with OK.

⇨ Select the menu point ***RAPS Scanning*** with the PR (+/-) buttons.

⇨ Activate the option ***off*** with the VOL (+/-) buttons.

⇨ Leave the menu by pressing EXIT several times.

If you selected ***off***, the flash „checking RAPS data“ will not be visible any more and the receiver will go directly to the last channel list.

Manual Updating Of The RAPS List

If you have switched off the automatic updating of the RAPS list, you can search manually for an update.

⇨ Press MENU.

⇨ Select the menu ***accessories*** with the PR (+/-) buttons.

⇨ Confirm your selection with OK.

⇨ If necessary, insert the code.

Note!
The default code is "0000“.

⇨ Select the menu ***RAPS System*** with the PR (+/-) buttons.

⇨ Confirm your selection with OK.

⇨ Select the menu point ***RAPS Mode*** with the PR (+/-) buttons.

⇨ Activate the option ***Update*** with the VOL (+/-) buttons.

⇨ Select the menu point ***Start*** with the PR (+/-) buttons.

⇨ Confirm your selection with OK.

The current settings for RAPS will now be shown and the receiver is checking for an updated RAPS list. If the data for ***RAPS Date Receiver*** (list on your receiver) and ***Date*** (current list) are different, the RAPS list has been changed. In this case the update starts automatically.

If there is no change in the RAPS list, the receiver reports ***no change.*** .

⇨ Press OK and confirm by pressing again OK to get back to programming mode.

Change RAPS Settings Belated

If you want to change the RAPS settings (for example hidden languages), act as follows:

⇨ Press MENU.

⇨ Select the menu ***accessories*** with the PR (+/-) buttons.

⇨ Confirm your selection with OK.

⇨ If necessary, insert the code.

Note!

The default code is "0000“.

⇨ Select the menu ***RAPS System*** with the PR (+/-) buttons.

⇨ Confirm your selection with OK.

⇨ Select the menu point ***RAPS mode*** with the PR (+/-) buttons.

⇨ Activate the option ***configure*** with the VOL (+/-) buttons.

⇨ Select the menu point ***start*** with the PR (+/-) buttons.

⇨ Confirm your selection with OK.

You can see the menu fort he RAPS update on the screen.

⇨ Make the RAPS settings like mentioned in chapter ***Install or update*** on page 47.

Games

⇨ Press MENU.
⇨ Select the menu point ***Game***.
⇨ To confirm press OK.

Tetris

You must assemble the falling bricks to a wall without gaps.

Start

Starting the game.
⇨ Select the menu point ***Start***.
⇨ To confirm press OK.
⇨ For leaving the menu, press EXIT once or repeatedly.

Setup

Setup of Level
⇨ Select the menu point ***Setup***.
⇨ Select the level by pressing OK.

Cancel

Leave the menu.
⇨ Select the menu point ***Cancel*** to leave the menu.
⇨ To confirm press OK.

Othello

You must win as many tokens of your own color as possible. Set one of your tokens at the rim and all tokens of the other color, which are between this token and another of your own color, in vertical, horizontal or diagonal line, will be changed to your own color.

Start

Starting the game.

⇨ Select the menu point ***Start***.

⇨ To confirm press OK.

⇨ For leaving the menu, press EXIT once or repeatedly.

Setup

Setup of Level

⇨ Select the menu point ***Setup***.

⇨ Select the level by pressing OK.

Cancel

Leave the menu.

⇨ Select the menu point ***Cancel*** to leave the menu.

⇨ To confirm press OK.

Operation With The Remote Control

Switch The Receiver On And Off

Press the Standby button to switch the receiver on and off.

Change The Volume

Change the volume with the VOL (+/-) buttons.

Change The Channel

Press Numeric buttons (0~9) for the channel number. To change the channel in ascending or descending order you can also press the PR (+/-) buttons.

Teletext

For teletext press the TXT button.

The teletext shows news and information about the program.

To exit the teletext, press EXIT.

Electronic Program Guide

Figure 27: Electronic Program Guide (EPG)

For the electronic program guide press the EPG button.

Here you can get information of the just running and following programs (if supported by the broadcaster).

Press EXIT to leave the EPG.

Favorite List

While watching TV or listening to the radio you can press the FAV button and retrieve a list with your favorite TV or radio channels.

If you did not select any favorite channels, no list will appear. Instead you will see the notice ***No FAV Channels***.

Find A Channel

Figure 28: Find a channel

Every satellite is broadcasting hundreds of digital channels. To avoid that you must search the whole channel memory for a certain channel, you can insert the name of the channel with the keys and search for it.

Press Find to get the input field for the name. Insert the channel name with the Numeric buttons (0~9). Just like on mobile phones, every numeric button has also some alphanumeric functions. With pressing several times on the same button you can select the letters with are printed on top of the Numeric buttons (0~9) of the remote control.

After inserting the first letter, you can see on the left side a list with channels which begins with this letter. Press the PR (+/-) buttons and you can scroll through the channels and select the required channel. With inserting more letters, you can narrow down the result further.

Press the VOL (+/-) buttons to move to the left or right. To add another letter, first press the VOL-+ button. Then insert the next letter.

Press Find to switch between small and capital letters.

Press ZOOM to delete a digit or letter.

Press TXT to finish the input and show the selected channel.

Press Audio or EXIT to leave the menu.

Zoom Function

While watching TV press ZOOM to call the zoom menu.

Figure 29: ZOOM-menu

You can move the section with the PR (+/-) and the VOL (+/-) buttons. Press ZOOM again and you change the size of the section. To leave the ZOOM menu press EXIT.

Satellite Overview

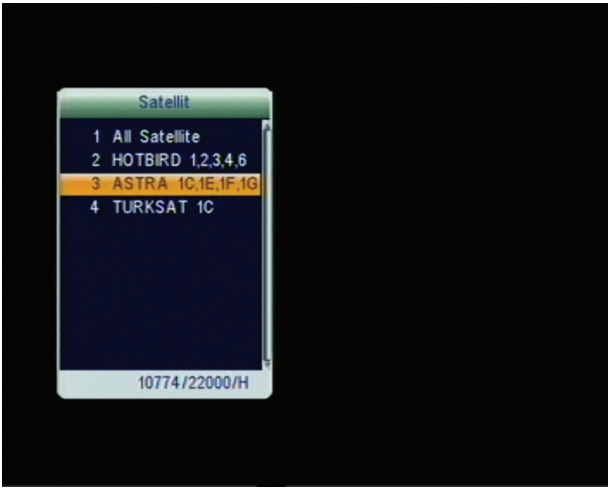


Figure 30: Overview over the programmed satellites

Press SAT to get an overview over the programmed satellites.

TV Switch

Press TV/AV to switch between satellite receipt via the MX 04 and antenna receipt via TV-Set.

Sleep Timer

Press SLEEP to call the sleep timer. With repeating pressing of the SLEEP button you can change the time (OFF, 10 30, 60 90, 120).

Program Information

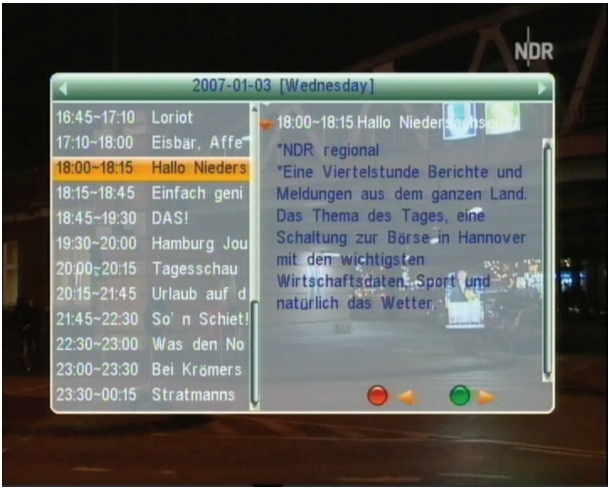

NDR
2007-01-03 [Wednesday]
16:45~17:10 Loriot
17:10~18:00 Eisbär, Affe
18:00~18:15 Hallo Nieders
18:15~18:45 Einfach geni
18:45~19:30 DAS!
19:30~20:00 Hamburg Jou
20:00~20:15 Tagesschau
20:15~21:45 Urlaub auf d
21:45~22:30 So' n Schiet!
22:30~23:00 Was den No
23:00~23:30 Bei Krömers
23:30~00:15 Stratmanns
18:00~18:15 Hallo Nieder
*NDR regional
*Eine Viertelstunde Berichte und Meldungen aus dem ganzen Land. Das Thema des Tages, eine Schaltung zur Börse in Hannover mit den wichtigsten Wirtschaftsdaten, Sport und natürlich das Wetter.

Figure 31: Detailed Program Information

Digital television gives the opportunity to broadcast additional information for the program. Not every channel offers this service. In this case the text field is empty.

Press INFO to get information about the running program. Press INFO again and you get more detailed information about the current program. If the information is very detailed, you can scroll forward with the ZOOM button and back with the Find button.

Mosaic

Figure 32: Mosaic

Press Mosaic button to get an overview about the current and the next eight channels.

Pause Function

Press Pause button to freeze the picture of the current program.

Press Pause button again to go back to normal.

Switching Channels

Press the Numeric buttons (0~9) to insert the number of channel.

You can go to the next or previous channel with the PR (+/-) buttons.

Press Up or Down button to switch between the channel lists of the several programmed satellites.

Press ← PR button to recall the last selected channel.

Audio Settings

While watching TV press the Audio button.

Select the audio mode with the VOL (+/-) buttons.

Dependant on the selected channel you can chose between following mode:

- Mono sound track
- Left
- Right
- Stereo
- AC3

After selecting the desired mode, leave the menu with EXIT.

Muting

For Muting press the Mute button. On the screen you will see a symbol with crossed-out loudspeaker.

Press Mute again to hear the sound. The symbol disappears.

Storing Of Product

- ⇨ Pull all plugs out of the sockets.
- ⇨ Screw the LNB cable from the receiver.
- ⇨ Take the batteries out of the remote control if you do not use the receiver for a longer period.
- ⇨ Pack the receiver, the cables and the remote control into the original carton.
- ⇨ Save the receiver and all accessories at a dry and dust-free location.
- ⇨ Protect the receiver from frost.

Cleaning

	Danger of Electric Shock! No liquids must run into the receiver. Never clean it with a wet cloth. Always pull the plug out of the socket before cleaning.
	Attention! Never use solvent-containing agents like benzene or similar. These agents can damage the surface of the housing.

Pull the plug out of the socket before cleaning the receiver. Clean the housing of the receiver only with a dry cloth.

Troubleshooting

Fault Phenomenon	Probable reasons and solution
The display shows nothing.	The power cable is not plugged in. Put the plug of the power cable into the mains socket.
	The power switch is off. Switch power on at the backside of the device.
No volume or picture, the LED is on.	The receiver is on standby. Press the power button. The receiver will switch on and the program is on the screen.
No volume or picture.	The antenna is not adjusted to the satellite. Adjust the antenna correctly.
No or only faint signal.	Please check the cable between LNB and receiver and between receiver and connected devices. Adjust the antenna.
No picture on TV screen.	The system is connected incorrectly. Check connection of SCART cable.
TV-Set is not in AV mode.	Switch the TV set on AV input.
Bd picture, block defect.	The antenna is not adjusted to the satellite. Adjust the antenna.
TheLNB is defective.	Replace the LNB.
The remote control does not work.	The batteries are empty. Replace them with new ones.
The remote control does not always work.	Focus the remote control to the front side of the receiver and assure that nothing else is between the remote control and the receiver.

If you cannot find out what is wrong with your device, please contact your local dealer.

Disposal

	Attention! Never throw the receiver and the batteries in normal household waste. They may contain toxic agents that are hazardous to health and environment. Therefore, dispose of the device and the batteries immediately according to the prevailing statutory regulations. Never throw the batteries in normal household waste.

EU directive for disposal of used devices in private household

Figure 33: WEEE-Symbol

Used devices contain valuable materials that should be recycled. Electronic equipment is not household waste - in accordance with directive 2002/96/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of 27th January 2003 on used electrical and electronic equipment, it must be disposed of properly. At the end of its service life, take this unit for disposal at a relevant official collection point.

Technical Specifications

LNB / Tuner-Input

F-type connector	IEC 169-24
Frequency Range	950 MHz ~ 2150 MHz
Input Level	-65 dBm to -25 dBm
LNB Power Supply	13/18 V, max. 400 mA
LNB Control Signal	22 kHz, 0/12 V
DiSEqC Control	Version 1.2

Demodulator

Front-End-Module	QPSK
Input Data Rates	2 MS/s to 45 MS/s
SCPC- and MCPC-compatible	

System Resources

Processor	32 bit, 60 MHz
SDRAM	8 MByte
FLASH	2 MByte

Video-Decoder

Video Resolution (Video format)	720 x 576 (PAL), 720 x 480 (NTSC)
Aspect Ratio	4:3, 16:9

Modulator (optional)

Channel	21 - 69

Remote Control

Batteries	2x type AAA
Range	max. 7 m

Power Supply

Power Consumption	max. 15 W
Supply Voltage	175 - 250 V AC, 50/60 Hz

Connectors Rear Panel

Data Interface	9-pole, D-Sub
Digital Tuner Input (LNB-IN)	IEC 169-24
Loop-Through digit. Tuner (LNB-OUT)	IEC 169-24
TV SCART	RGB, CVBS, Audio
VCR SCART	CVBS, Audio
Analogue Video Output	1 x RCA Cinch coaxial
Analogue Audio Output	2 x RCA Cinch coaxial
Digital Audio Output (SPDIF)	1 x RCA Cinch coaxial
0/12V-Output	1 x RCA Cinch coaxial

Temperature

Operating Temperature	0° C to +40° C
Storage Temperature	-40° C to +65° C

Dimensions

Width	260 mm
Height	50 mm
Depth	165 mm
Weight	ca. 1 kg

Supplier

WELA electronic Handels GmbH
Industriestraße 29
78112 St. Georgen
Germany
Service Hotline: 00 49 1805 / 93 52 11 (0,14 €/min. from German landline)
Fax: 00 49 7724 / 94 78 333
E-Mail: info@smart-electronic.de
Internet: www.smart-electronic.de/

Warranty

The warranty for the digital satellite receiver MX 04 of the WELA electronic Handels GmbH is in conformity with the prevailing statutory regulations at the time of purchasing the product. The WELA electronic Handels GmbH reserves the right to change the specification at any time without prior notice.

Declaration of Conformity

The WELA electronic Handels GmbH, Industriestraße 29, 78112 St. Georgen, Germany hereby declares conformity with the following guidelines and standards for this product:

- Guideline for low voltage, 2006/95/EG
- EN 60 335-1
- EN 60 335-2-15
- Guideline for electromagnetic compatibility, 2004/108/EG
- EN 55 013:2001
- EN 55 020
- EN 61 000-3-2:2000
- EN 61 000-3-3:1995+A1:2001
- EN 61 938

Equipment type /model: Free-To-Air Digital Satellite Receiver

WELA electronic Handels GmbH

www.smart-electronic.de

Einfach
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Simply television

Digital satellite receiver

MX 04 L

Supplement to the user manual MX 04

version: 07.04.2009

www.smart-electronic.de

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Note to this document

This supplement to the operating instructions MX04 describes additional functionalities and qualities of the Receivers MX 04 L.

Please read the user manual and the supplement to the user manual carefully before operating the MX 04 L

Keep the user manual always next to the Receiver.

Save Energy

The Receiver Smart MX 04 L is equipped with especially power-saving electric and electronic components. Moreover, a thought-out energy management helps to save energy.

Hence, in the standby modus there is no more time indicated on the display. Only the red shining standby light and two green points.

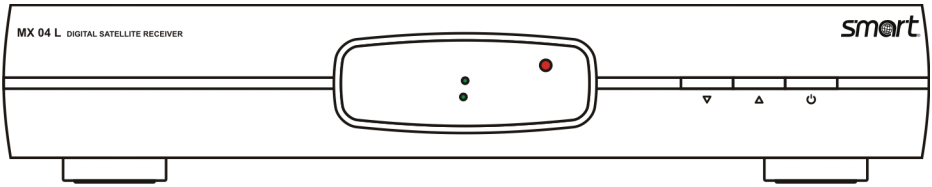

Figure 1: Display in the standby modus

The current consumption in the standby modus is less than 1 Watt.

Connection with an unicable system

Note!

The unicacable system is only funcionable if the structure of receiving or according to their components are prepared, i. e. if an unicable system exists.

The digital satellite receiver MX 04 L makes sure, that instead of the different LNB frequencies the receipt mode can be moved to the unicable standard. It's possible to connect up to eight receivers independent of each other.

Each receiver has to be assigned to one specific ZF channel and a matching frequency in the setting menu. The allocation of canals and frequency is depending on LNC or multi switch manufacturer.

The data sheet and the technical documentation of your LNC and/or multi switch contains an allocation table similarly of the following.

Adjusting of the ZF canals and frequency

Receiver	ZF-channel	example-frequency [MHz]	frequency [MHz]
Receiver 1	1	1284	
Receiver 2	2	1400	
Receiver 3	3	1516	
Receiver 4	4	1632	
Receiver 5	5	1748	
Receiver 6	6	1864	
Receiver 7	7	1980	
Receiver 8	8	2096	

Note!

Write down the frequency of your receiver in the last fissure of this table, so you have all relevant information in this document

Adjusting of the ZF canals and frequency

⇨ Switch on the receiver.

⇨ Press the button MENU on the remote control

⇨ Press the PR+ and the PR- button, select "installation" and confirm with the OK LIST button.

⇨ Enter the password (in the state of delivery 0000 is pre-installed).

The installation menu is indicated.

⇨ Select the Menu point "antenna setup".

⇨ Select the menu point "LNB frequency" after this, select "unicable (9750-10600)".

⇨ Select the menu point "IF Channel" enter a ZF channel.

⇨ (Begin with channel "1"; one of the ZF channels in climbing up order assign to the connected receivers).

⇨ Choose "Center Freq" and set up the frequency (see the allocation table)

⇨ The bargraph “signal strength” and “signal quality” will display immediately, when the correct frequency is chosen.

⇨ Press the MENU button

⇨ The adjustments are saved.

You are back in the „Installation menu“

⇨ Press the button MENU twice.

The receiver is into the normal mode and ready to receipt.

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